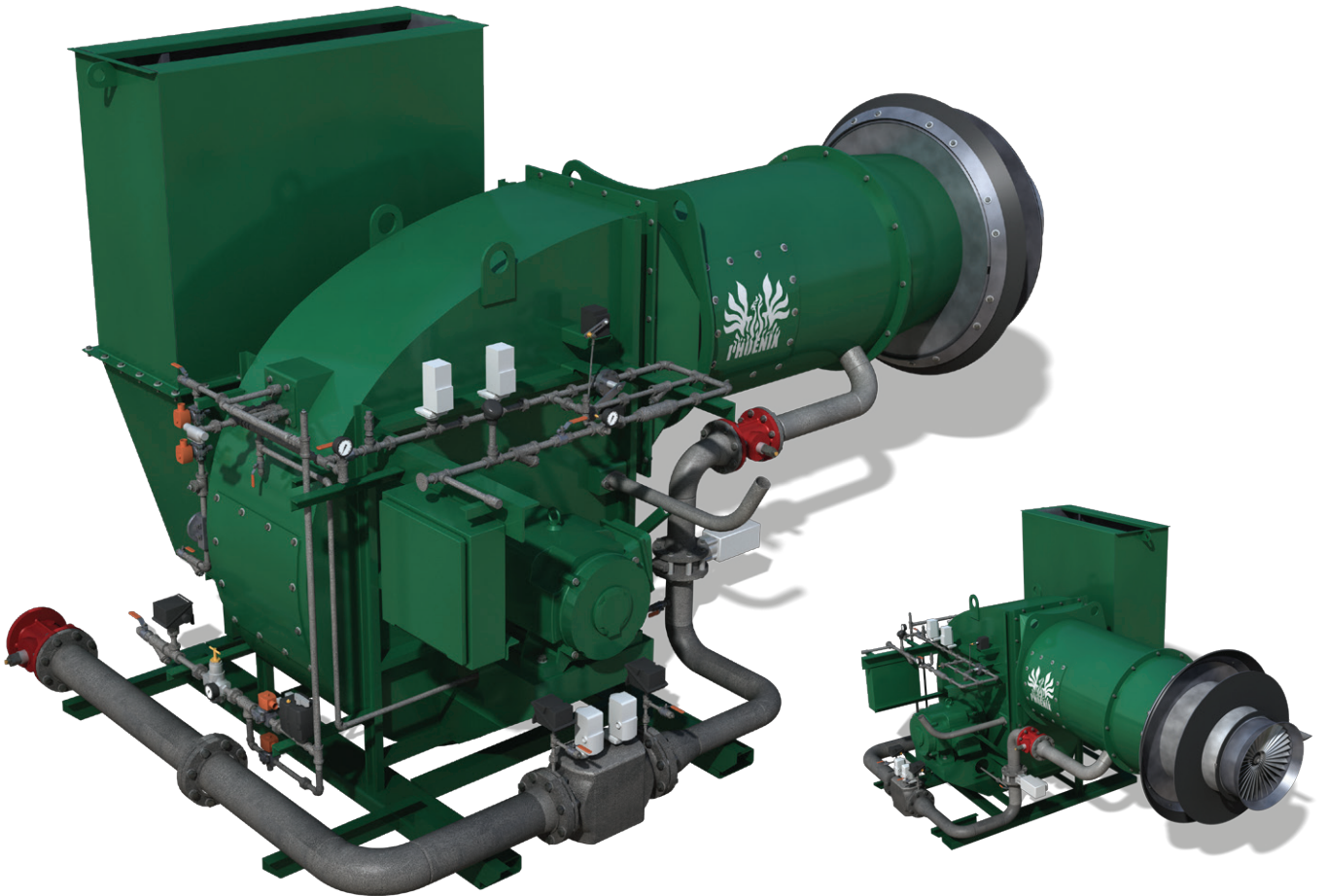


# ASTECC

## PHOENIX® TALON II BURNER

The ASTEC Phoenix® Talon II utilizes the latest burner technology to deliver very low emissions combined with energy efficiency. With the optional silencing package, it's even possible to have a phone conversation on the burner platform while it is firing.



**ASTEC, INC.** an Astec Industries Company

4101 JEROME AVENUE • CHATTANOOGA, TN 37407 USA • +1.423.867.4210 • +1.423.867.4636 • [astecinc.com](http://astecinc.com)

## ADVANCED EMISSION REDUCTION

The Phoenix® family of burners are available in the asphalt industry using the most advanced technology to precisely and completely mix the air and gaseous fuel to achieve an advanced low NOx and CO method called lean burn premix. They employ a multiple, parallel, turbulent, tube mixer to achieve near perfect mixing of fuel and air.



## ELECTRIC POWER EFFICIENCY

The variable speed main combustion blower drive helps provide precise firing rate control and uses significantly less electrical energy. It also eliminates the need for an air damper and for drive motor adjustments and maintenance.

## FIRING EFFICIENCY & COMPACT FLAME SIZE

High quality mixing of air and fuel creates the most compact flame available with a small combustion zone. This ensures that all of the fuel is combusted for peak efficiency without taking away valuable dryer heating capacity.

## RELIABLE FIRING

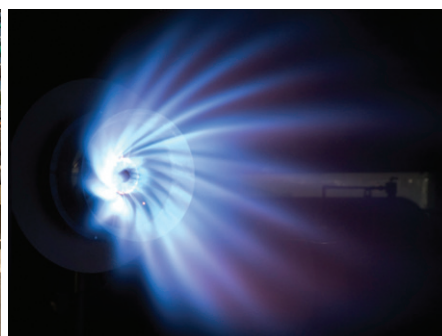
For maximum reliability and start-up ease, ASTEC burners are thoroughly tested before shipping.



The spin vanes and other components of the nose ensure flame stability and optimum shape.



The Phoenix® Talon uses significantly less electric power than conventional burners due to the variable frequency drive used to control its combustion air blower and low body pressure.



The Phoenix® Talon's compact flame shape is compatible with most drums without complicated flame adjustment.

## LOW EXCESS AIR FIRING SPECS

Model	Rated Capacity Millions of BTU/HR (with 20% XSA)	Nominal Aggregate Drying Capacity TPH (at 5% moisture)	Burner Air Capacity SCFH (millions)	Integral Blower Horsepower	Oil Atomizing Air Requirement SCFM (Low Fire / High Fire)
PT2 50	50	200	0.60	40	55 / 45
PT2 75	75	300	0.90	60	100 / 85
PT2 100	100	400	1.20	75	100 / 80
PT2 125	125	500	1.50	100	110 / 80
PT2 150	150	600	1.80	125	125 / 90

Above conditions are standard at 75° F at sea level. See detailed capacity, performance sheets for each size for more information and specific flows and pressures. Nominal aggregate drying capacity based on typical exhaust stack temperatures of 240° F, 0.2 BTU/Lbm F specific heat in the aggregate. Burner maximum design capacity is 100% of rated capacity. Advertised numbers are achievable in some conditions, but not guaranteed.